



Mouse Genome Informatics  
MGI Home Help

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- Accession IDs
- Phenotype/Human Disease
- Gene Expression
- Gene Ontology
- Anatomical Dictionary
- Phenotype Ontology (MP)

Advanced search for...

## Search Categories

All Search Tools  
Genes/Markers  
Phenotypes/Alleles  
Strains/Polymorphisms **NEW**  
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Sequences  
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Mouse Maps/Data  
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Probes/Clones  
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Vocabulary Browsers  
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Human Disease (OMIM)  
Phenotype Ontology (MP)  
Protein Superfamily

MouseBLAST

Mouse GBrowse

IMSR (Find Mice)

## Tools and Links

Citing These Resources  
Funding Information  
Warranty Disclaimer  
& Copyright Notice  
Send questions and  
comments to User Support.

The Jackson Laboratory  
last database update  
09/20/2006



# Search Results

Search for: FUT8

In these sections: All Options

## Genes and Markers(1)

Searched Nomenclature (symbols, names, synonyms, alleles, and orthologs)

[Advanced Genes a](#)

Chr	cM	Genome Coordinates	Symbol, Name	Matching Text
12	syntenic	74094713-74332579 (+)	Fut8, fucosyltransferase 8	current symb

## Accession IDs(0)

[Advanced Accession](#)

No results found.

## Phenotypes (includes Human Diseases)

### Alleles by Allele Nomenclature(1)

Searched for Alleles by Allele Nomenclature  
(Symbol/Name/Synonym)

[Advanced Alleles](#)  
[Nomenclatur](#)

Allele Symbol Gene;Allele Name	Chr	Synonyms	Category	Observed Phenotypes in Mouse	Allelic Comp (Genetic Bac
				Affected Anatomical Systems	Similar Human Diseases
Fut8 <sup>tm1Nta</sup> fucosyltransferase 8; targeted mutation 1, Naoyuki Taniguchi	12	Fut8 <sup>-</sup>	Targeted (knock- out)	lethality/postnatal, growth/size, respiratory	Emphysema, Fut8 <sup>tm1Nta</sup> / Hereditary Pulmonary 130700 (involves 129S2/S

### Alleles by Mammalian Phenotype or Human Disease Vocabulary(0)

Searched Alleles by MP Terms, Synonyms, IDs  
and Annotation Notes, and Disease Terms,  
Synonyms, and IDs

[Advanced Alleles by M](#)  
[Phenotype or Huma](#)  
[Vocabular](#)

No results found.

### Alleles by Gene/Marker Nomenclature(1)

Searched for Alleles by Gene/Marker Nomenclature  
(Symbol/Name/Synonym/Ortholog)

[Advanced](#)  
[Gene/Marker Nor](#)

Allele Symbol Gene;Allele Name	Chr	Synonyms	Category	Observed Phenotypes in Mouse	Allelic Comp (Genetic Bac
				Affected Anatomical Systems	Similar Human Diseases
Fut8 <sup>tm1Nta</sup> fucosyltransferase 8; targeted mutation 1, Naoyuki Taniguchi	12	Fut8 <sup>-</sup>	Targeted (knock- out)	lethality/postnatal, growth/size, respiratory	Emphysema, Fut8 <sup>tm1Nta</sup> / Hereditary Pulmonary 130700 (involves 129S2/S

### Mammalian Phenotype Ontology(0)

Searched for Mammalian Phenotype  
Ontology Terms

[Advanced Mammalian Phenotype](#)

No results found.

### Human Disease Vocabulary(0)

MGI 3.5

Searched Human Disease Vocabulary  
Terms

[Advanced Human Disease V](#)

No results found.

### Gene Expression Data

#### Assays by Gene(1)

Searched expression assays using gene symbols, names, and  
synonyms that contain the query term

[Advar](#)  
[Expressio](#)

Gene	Assay Type	Result Details	Reference
<a href="#">Fut8</a>	RT-PCR	<a href="#">MGI:2654775</a>	<a href="#">J:74082, Hayashi H, DNA Seq 2000;11(1-2):91-6</a>

#### Assay Results by Anatomical Structure(0)

Searched expression assay results using anatomical structures and their subs  
that contain the query term

An error has occurred

### Gene Ontology(0)

Searched Gene Ontology terms and synonyms

[Advanced Gene Ontok](#)

No results found.

### Mouse Anatomical Dictionary(0)

Searched Anatomical Dictionary structures and  
synonyms that contain the query term.

[Advanced Mouse](#)  
[Diction](#)

No results found.

### Mammalian Phenotype Ontology(0)

Searched for Mammalian Phenotype  
Ontology Terms

[Advanced Mammalian Phenotyp](#)

No results found.

### Mouse Sequences(2)

Searched descriptions of mouse sequences from sequence  
provider for only those sequences associated to MGI genes and  
markers.

[Adva](#)  
[Sequen](#)

Sequence	Strain/Species	Description From Sequence Provider
<a href="#">NM_016893</a> RNA 3052 bp C57BL/6 <a href="#">RefSeq</a> <a href="#">MGI Sequence Detail</a>		Mus musculus fucosyltransferase 8 (Fut8) mRNA.
<a href="#">TC1567623</a> RNA 3052 bp Not <a href="#">TIGR</a> Applicable <a href="#">MGI Sequence Detail</a>		GB AAH10666.1 14715013 BC010666 Fu protein {Mus musculus;} , complete

### References(3)

Searched abstracts

[Advanced Referen](#)

J Number	Reference
<a href="#">J:102932</a>	Wang X, Proc Natl Acad Sci U S A 2005 Nov 1;102(44):15791-6
<a href="#">J:65428</a>	Javaud C, Mol Biol Evol 2000 Nov;17(11):1661-72
<a href="#">J:44172</a>	Costache M, J Biol Chem 1997 Nov 21;272(47):29721-8

### Festing's Strain Characteristics(0)

Searched M. Festing's descriptions of mouse and rat  
inbred strain characteristics

[Advanced Fest](#)  
[Characteris](#)

No results found.